

# PATENT ABSTRACTS OF JAPAN

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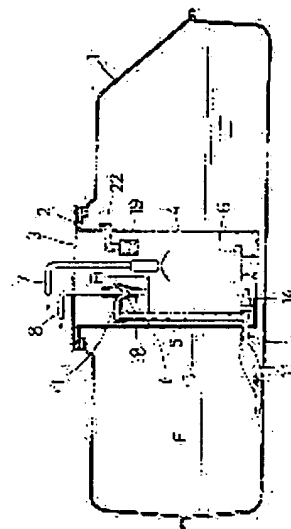
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## (54) FUEL PUMP UNIT

### (57)Abstract:

**PURPOSE:** To simplify constitution of the unit by a method wherein a subtank provided with a fuel pump is mounted in a fuel tank, a jet pump to generate a negative pressure through the flow of fuel is provided, and a unit forms structure in which through utilization of the generated negative pressure, fuel in the fuel tank is supplied in the subtank.

**CONSTITUTION:** A subtank 4 is mounted in a closed state on the under surface of a closing cover 3 with which a working hole 2 of the upper surface of a fuel tank 1 is covered, and a supply tube 5, a fuel feed pipe 7 of a fuel pump 6, and a return tube 8 are respectively inserted in the subtank. The supply tube 5 is protruded from the bottom of the subtank 4, and the lower end part thereof is connected to a bagform filter 11 brought into contact with the bottom of the fuel tank 1. The supply tube in the subtank 4 is formed in an inverted T-shape formed with a horizontal part 12 and a vertical part 13, and a check valve 14 to prevent the reverse flow of fuel to the fuel tank 1 is mounted to the end part of the horizontal part 12. A jet pump 18 formed such that a venturi 17 is situated in a vertical pipe 16 is connected to the upper end part of the vertical part 13, and a return tube 8 is connected to the upper part of the venturi 17.



## LEGAL STATUS

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